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Northpoint NP-TS-IP20-DD

Northpoint Digital Plug-in Timer User Manual

MODEL: NP-TS-IP20-DD

1. INTRODUCTION

Thank you for choosing the Northpoint Digital Plug-in Timer. This device is designed to automate the power supply to your lights and electrical appliances, offering convenience, security, and energy savings. By programming specific ON/OFF times, you can manage your devices effortlessly. Please read this manual thoroughly before use to ensure proper operation and to maximize the benefits of your new timer.

2. PRODUCT FEATURES

- **Smart Time Management:** Automate home lighting and electrical appliances for comfortable living.
- **Flexible Programming:** Multiple daily and weekly programming options for precise control.
- **Easy Installation and Use:** User-friendly design for straightforward setup and operation.
- **Improved Quality of Life:** Enhance convenience and security by automating your home devices.
- **Energy Efficiency:** Save energy by ensuring appliances operate only when needed.

3. SAFETY INSTRUCTIONS

To prevent injury or damage to the device, please observe the following safety precautions:

- Read all instructions carefully before using the timer.
- This timer is designed for **indoor use only**. Do not expose it to rain, moisture, or extreme temperatures.
- Do not immerse the timer in water or any other liquid.
- Ensure the total load of the connected appliance(s) does not exceed the timer's maximum rated capacity (e.g., 16A, 3680W). Overloading can cause overheating and fire hazards.
- Do not disassemble or attempt to repair the timer. Refer all servicing to qualified personnel.

- Keep out of reach of children.
- Always ensure the timer is securely plugged into a grounded outlet.

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Northpoint Digital Timer:



Figure 4.1: Front View

Front view of the Northpoint Digital Timer, showing the display, control buttons on the top and right side, and a standard European Type F (Schuko) socket on the front. A green LED indicator is visible at the bottom.



Figure 4.2: Top View with Controls

Top-down view of the Northpoint Digital Timer, highlighting the control panel with buttons labeled "RANDOM/R", "WEEK", "HOUR", "MIN" on the left, and "PROG", "CLOCK", "RES/RCL", "ON/AUTO/OFF" on the right, surrounding a central digital display. The two-pin plug is visible at the top.



Figure 4.3: Rear View

Rear view of the Northpoint Digital Timer, showing the two-pin Type F (Schuko) plug designed for European outlets.

Ventilation holes are visible on the bottom surface.



Figure 4.4: Approximate Dimensions

Diagram illustrating the approximate dimensions of the Northpoint Digital Timer. The front view shows a width of approximately 7 cm and a height of approximately 7.5 cm.

The side view shows a depth of approximately 4 cm.

5. SETUP

- 1. Unpack the Timer:** Carefully remove the timer from its packaging.
- 2. Initial Charge/Reset:** Before first use, plug the timer into a live wall socket for at least 30 minutes to charge the internal battery. This ensures the display and settings are retained during power outages. If the display is blank or erratic, press the 'RES/RCL' button with a pointed object (like a pen tip) to reset the unit.
- 3. Set Current Time:**
 - Press and hold the 'CLOCK' button.
 - While holding 'CLOCK', press 'WEEK' to select the current day of the week (MO, TU, WE, TH, FR, SA, SU).
 - While holding 'CLOCK', press 'HOUR' to set the current hour (12/24-hour format may vary, adjust as needed).
 - While holding 'CLOCK', press 'MIN' to set the current minute.
 - Release the 'CLOCK' button. The current time is now set.

6. OPERATING INSTRUCTIONS

6.1. Programming ON/OFF Times

The timer allows you to set multiple ON/OFF programs. Follow these steps to set a program:

1. Press the 'PROG' button once. The display will show '1 ON' and the time will flash.
2. Press 'WEEK' to select the day(s) for this program. You can choose a single day, a block of days (e.g., MO-FR), or all 7 days.
3. Press 'HOUR' to set the desired ON hour.
4. Press 'MIN' to set the desired ON minute.
5. Press 'PROG' again. The display will show '1 OFF' and the time will flash.
6. Repeat steps 2-4 to set the desired OFF day(s), hour, and minute for this program.
7. Continue pressing 'PROG' to cycle through all available program slots (e.g., 2 ON, 2 OFF, etc.). If you have fewer programs than available slots, simply press 'CLOCK' to exit programming mode.
8. To review programs, press 'PROG' repeatedly. To clear a program, navigate to it and press 'RES/RCL'.

6.2. Operating Modes (ON/AUTO/OFF)

Press the 'ON/AUTO/OFF' button to cycle through the operating modes:

- **ON:** The timer will continuously supply power to the connected appliance, overriding all programs. The green LED will be lit.
- **AUTO:** The timer will operate according to the programmed ON/OFF times. The green LED will light up when the appliance is ON as per schedule.
- **OFF:** The timer will continuously cut power to the connected appliance, overriding all programs. The green LED will be off.

For automatic operation, ensure the timer is set to 'AUTO' mode.

6.3. Random Function

The 'RANDOM/R' button activates a random ON/OFF function, typically used to simulate occupancy when you are away. When activated, the timer will turn ON and OFF at random intervals around your programmed times.

- Press 'RANDOM/R' to activate or deactivate the random function. An 'R' symbol usually appears on the display when active.
- This function is generally effective only in 'AUTO' mode.



Figure 6.1: Timer in Use

The Northpoint Digital Timer plugged into a wall outlet, next to a coffee machine, demonstrating its compact size and typical use case for appliance automation.

7. MAINTENANCE

- **Cleaning:** Disconnect the timer from the power outlet before cleaning. Wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the timer in a cool, dry place away from direct sunlight and moisture.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or erratic.	Internal battery low or unit needs reset.	Plug the timer into a live outlet for 30 minutes to charge. Press the 'RES/RCL' button with a pointed object.

Problem	Possible Cause	Solution
Appliance does not turn ON/OFF at programmed times.	Timer not in 'AUTO' mode; incorrect program settings; appliance not connected or faulty.	Ensure the timer is set to 'AUTO'. Review and correct program settings. Check if the appliance is working when directly plugged into an outlet.
Timer is always ON or always OFF.	Timer is in 'ON' or 'OFF' mode.	Press 'ON/AUTO/OFF' button until 'AUTO' is displayed.

9. SPECIFICATIONS

Feature	Specification
Brand	Northpoint
Model Number	NP-TS-IP20-DD
Color	White (with digital display)
Material	Plastic
Product Dimensions (approx.)	8 cm (P) x 8 cm (L) x 7 cm (H)
Number of Programmable Settings	7 (likely referring to daily/weekly options or program pairs)

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact Northpoint customer service through your retailer or the official Northpoint website. Please have your model number (NP-TS-IP20-DD) ready when contacting support.